

**Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal**  
**New Scheme of Examination as per AICTE Flexible Curricula**  
**VIII Semester Bachelor of Technology (B.Tech.) [Electrical Engineering] (w.e.f. Jan, 2021)**

| S.No. | Subject Code                    | Category  | Subject Name                                     | Maximum Marks Allotted |                |                  |            |                                | Total Marks | Contact Hours per week |          |           | Total Credits |
|-------|---------------------------------|---|--|------------------------|----------------|------------------|------------|--------------------------------|-------------|------------------------|----------|-----------|---------------|
|       |                                 |   |  | Theory                 |                |                  | Practical  |                                |             | L                      | T        | P         |               |
|       |                                 |   |  | End Sem.               | Mid Sem. Exam. | Quiz/ Assignment | End Sem    | Term work Lab Work & Sessional |             |                        |          |           |               |
| 1.    | EE-801                          | DC  | Power Quality Improvement & Mitigation Technique | 70                     | 20             | 10               | 30         | 20                             | 150         | 2                      | 1        | 2         | 4             |
| 2.    | EE-802                          | DE  | Departmental Elective                            | 70                     | 20             | 10               | -          | -                              | 100         | 3                      | 1        | -         | 4             |
| 3.    | EE-803                          | OE  | Open Elective                                    | 70                     | 20             | 10               | -          | -                              | 100         | 3                      | -        | -         | 3             |
| 4.    | EE-804                          | D/O/E Lab   | Simulation Lab                                   | -                      | --             | -                | 30         | 20                             | 50          | -                      | -        | 6         | 3             |
| 5.    | EE-805                          | P   | Major Project-II                                 | -                      | -              | -                | 70         | 30                             | 100         | -                      | -        | 8         | 4             |
| 6.    | Additional Credits <sup>#</sup> | <i>#Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective UG level.</i> |  |                        |                |                  |            |                                |             |                        |          |           |               |
|       |                                 |   | <b>Total</b>                                     | <b>210</b>             | <b>60</b>      | <b>30</b>        | <b>130</b> | <b>70</b>                      | <b>500</b>  | <b>8</b>               | <b>2</b> | <b>16</b> | <b>18</b>     |

| Departmental Electives                                  | Open Electives  |
|---|---|
| EE-802 (A) Advanced Electrical Drives                   | EE-803 (A) Artificial Intelligence                          |
| EE-802 (B) Special Machine                              | EE-803 (B) Power Electronics Converter for Renewable Energy |
| EE-802 (C) EHV AC and DC Transmission                   | EE-803 (C) SCADA Systems and Applications                   |
| EE-802 (D) Application of IOT in Electrical Engineering | EE-803 (D) Data Analytics                                   |

|              |               |                |
|--------------|---------------|----------------|
| 1 Hr Lecture | 1 Hr Tutorial | 2 Hr Practical |
| 1 Credit     | 1 Credit      | 1 Credit       |